



PART PLAN



DETAIL "A"

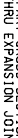


DETAIL "B"



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HRU EXPANSION JOIN

Expansion joint system and will be factory-installed in one section (10' expansion joint system) and when the length is over 50 feet, a complete joint partitioner or cover will also be required. The expansion joint system will be factory-installed to the end of the section and the end of the roadway.

Plan dimensions are based on installation of 60°F. The expansion and contraction shall be increased or decreased 1/8" for each 10' fall or rise in temperature at installation.

Structural steel for the expansion joint system shall be ASTM A709 Grade 36. Anchors for the expansion joint system shall be in accordance with Sec 1037. Preformed compression seal expansion joint systems shall be in accordance with Sec 777.

Structural steel for the expansion joint system and girth plate shall be coated with a minimum of two coats of inorganic zinc primer (5 mil minimum) or galvanized in accordance with ASTM A123. Anchors need not be protected from overspray.

Concrete shall be forced under armor angle and around anchors. Proper consolidation of the concrete shall be achieved by localized internal vibration.

Longitudinal reinforcing steel shall be placed so that ends shall not be more than ± 1 " from vertical leg of angle of the expansion joint system.

Curb plate anchors shall be drilled core expansion or cast-in-place wing type threaded insert. The minimum ultimate pull out capacity for these anchors shall be 2700 lbs in $f_c = 4000$ psi concrete. Lead anchors will not be permitted. Hoists in the barrier curb for anchors shall not be drilled until the concrete is at least 28 days old.

7 days old.

Bayonet curb bent into an arch

[illegible]

SECTION C-C

Plate to 1/4"

PART ELEVATION

AT END OF
BEVELED CURB
BENT PLATE

TABLE OF TRANSVERSE BRIDGE SEAL DIMENSIONS	
Seal	Seal/Feet

Seal (Width)		Movement Range
①	②	
2.5"	Manufacturer's Recommended Height	0.9"
3.0"	Manufacturer's Recommended Height	1.0"

2.0"	1-1/2"	Manufacturer's Recommended Height	1.8"
3.5"	2-1/4"	Manufacturer's Recommended Height	1.3"
4.0"	2-5/8"	Manufacturer's Recommended Height	1.6"
4.5"	2-3/4"	Manufacturer's Recommended Height	1.9"

3.0"	2-7/8"	Manufacturer's Recommended Height	2.0"
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Note: Depth of seal shall not be less than width of seal.

angle: Vertical leg of angle shall be a minimum
Horizontal leg of angle shall be a minimum of 3".
ness of angle shall be 1/2".

be larger than that indicated on the plans, is used, the opening of 50° and all dimensions angles shall be shown on the shop drawings.

urnishing, coating or galvanizing and installing of steel for the expansion joint will be considered covered by the contract unit prices for Preformed Joint Seal System.

COUNTY CJS 11

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